



CITY OF CALGARY

DEPARTMENT OF PUBLIC HEALTH

Annual Report for the Year 1953

LOCAL BOARD OF HEALTH OF THE CITY OF CALGARY

His Worship Mayor D. H. Mackay, Chairman

A. W. Park, M.D. — 1953-5.

Mrs. N. Mowers — 1953-4.

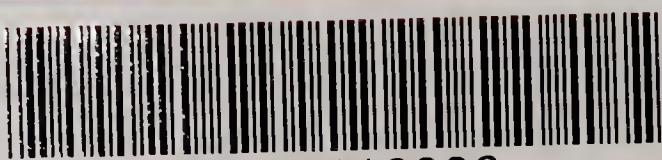
Fred Kenny — 1953-6.

E. C. Thomas, City Engineer, Ex-officio.

W. H. Hill, Medical Officer of Health, Ex-officio.

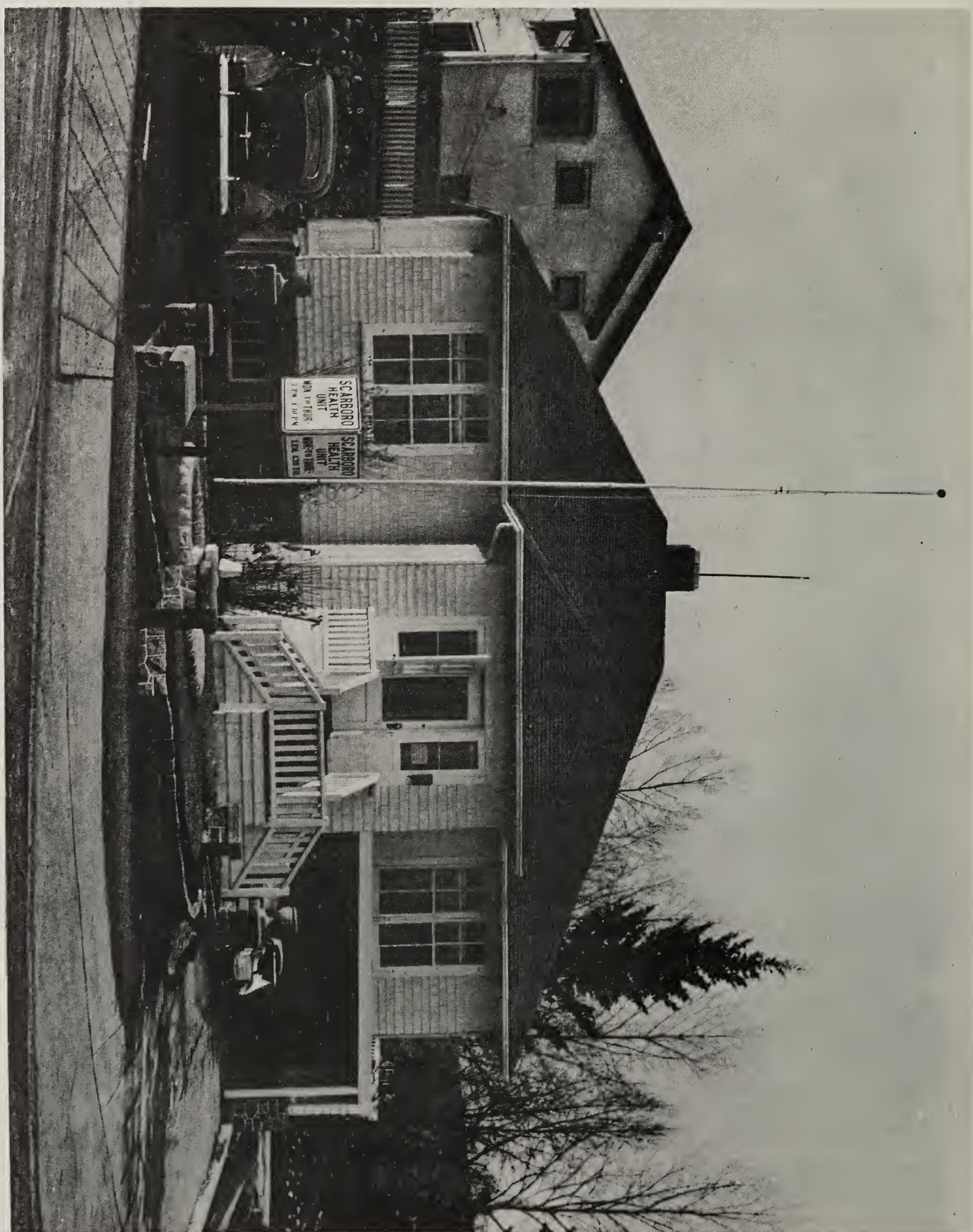
Medical Officer of Health, W. H. HILL, B.A., M.D., C.M.
D.P.H.

Asst. Medical Officer of Health, L. C. ALLAN, M.B., Ch.B.,
D.P.H.



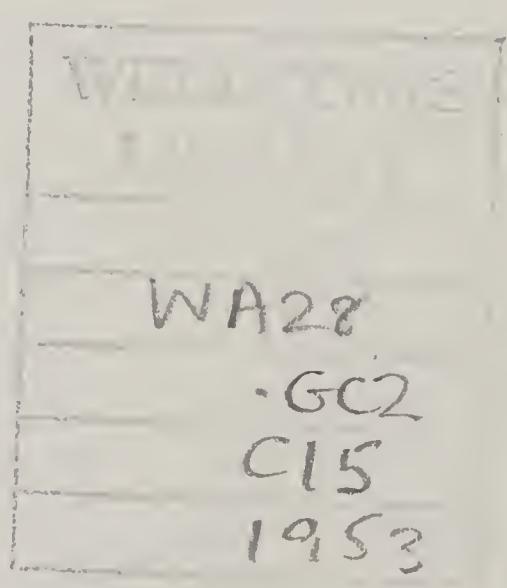
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Scarboro Health Unit which was officially opened in May 1953.



C O N T E N T S

COMMUNICABLE DISEASES - Cases and Deaths	3, 9, 10 and 13
Tuberculosis - Cases and Deaths	10
Typhoid Fever - Cases and Deaths	11
Financial Statement	38
Immunization	10 and 34
Infant and Pre-school Clinic	26 and 27
Meat and Food Inspection	22 and 23
Milk and Dairy Inspection	23 to 25
Quarantine and Disinfection	22
REPORTS of:	
Medical Officer of Health	2 to 4
Asst. Medical Officer of Health	28 to 33
Chief Sanitary Inspector	21 to 25
Nurse in Charge of Baby Clinic	26 and 27
Sanitation	21
Sera and Vaccine Distributed	11
School Medical, Dental and Nursing Services	28 to 33
Tuberculosis Association (Kinsmen's Club) Chest Clinic	35
Victorian Order of Nurses	36 and 37
VITAL STATISTICS	
Births	2 and 5
Stillbirths	2 and 5
Illegitimate births	4
Deaths	
Chief Causes of	
International list of Causes	14 to 20
by Age and Sex	12
of Infants	2 and 7
Maternal	3 and 8
from Communicable Diseases	3, 9, 10
Marriages	2 and 5
Population	2 and 5



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1953

His Worship the Mayor, Commissioners, and
Members of the City Council.

Ladies and Gentlemen:

I beg herein to submit the annual report of the activities of the City's Health Department for the year 1953.

The population of the City, as shown by Government census of June 1951, was 129,060 and it is on the basis of these figures that the rates appearing in the several statistical tables are expressed. It will be appreciated that the present population of the City is considerably in excess of the above figure, and therefore certain rates will, and others will not show to the same advantage as would be the case from the use of the population figure as it is at the moment.

There was an increase of 239 in the number of marriages solemnized during 1953 as compared with the figures for 1952. The rate for 1953 was 16.2 per thousand population. 2,092 marriages were solemnized during the year.

The gross number of births registered during the year was 5,799, the figure including as it does births to parents non-resident in the City. The number of births to residents only was 4,531. The birth rates per thousand of population for the year showed at 44.9 (gross) and 35.1 (net). Both in number and rate the 1953 figures constitute an all time high in the history of the City of Calgary. Included in the gross number of births (5,799) are 339 illegitimate, which figures show an increase of 51 over this particular reporting in 1952. There were two sets of illegitimate twins.

The gross number of stillbirths registered throughout the year was 86, and the net number 71, with corresponding rates per thousand of population of 0.66 and 0.55. It will be noted that the figures show a slight decrease when compared with those reported for 1952.

The gross number of deaths registered in the City during the year was 1,531 with a corresponding rate per thousand of population of 11.8. The net or actual City rate was 9.8, the deaths amongst residents only being 1,259. Comparison between the gross number of deaths for 1953 and 1952 shows an increase in respect of 1953 of 136. Of the 1,531 deaths recorded, 662 resulted from diseases of the heart, 261 from cancer, and 78 from violent and accidental causes. Heart disease and cancer accounted for approximately 60% of the gross number of deaths. There was an increase of 16 in the number of deaths from violent and accidental causes, as compared with the reporting for 1952.

The number of infant deaths registered throughout the year was 163 with a corresponding rate of 28.1 per thousand live births. An increase in both number and rate shows in comparison with the figures reported for 1952. Prematurity, congenital debility and injuries at birth, causes that present a problem for which no solution has been found thus far, accounted for 100 of the 163 reported. In both number and therefore rate, infant deaths show an increase when compared with the figures for 1952.



The number of maternal deaths registered during the year was 3, and the rate per thousand live births 0.5. Of the three recorded, two city mothers died of abortion and an undefined puerperal cause respectively.

The total number of communicable diseases reported to this Office during 1953 was 1881 with 95 deaths from causes as listed:

Chicken Pox	1
Influenza	3
Pneumonia	45
Poliomyelitis	40
Septic Sore Throat	2
Tuberculosis	4

For the second consecutive year the City experienced another outbreak of Acute Anterior Poliomyelitis when 271 cases and 40 deaths were reported to this office. The incidence of polio in 1952 was 143 accounting for 25 deaths. As pointed out in last year's report the percentage of deaths in relationship to cases is not beyond expectancy, and is accounted for by the number of cases showing involvement of the higher centres. Gamma Globulin, a passive immunizing measure, was relatively freely used, designed to give fleeting protection to those exposed to the disease, or to modify the attack in the event it unfortunately occurred. There are many difficulties in assessing the efficiency of Gamma Globulin to bring about passive immunity, and it is of considerable interest to learn that a Virus Vaccine has been elaborated, which is to be administered to some 500,000 children in the U.S.A. in the hope that an active immunity can be engendered.

During the year the Scarboro Health Unit at the corner of Scotland Street and 17th Avenue West was officially opened, and has amply justified this forward step on the part of the City's administration. Infant and Pre-School Clinics have been fully established and provide a very much appreciated service to a large section on the west side of the City, from 14th Street West and from the Bow River south to the City limits. The intent of the City is to institute five such units to be located at strategical points throughout the City, in the overall decentralization of Health activities. Scarboro Health Unit is the first of the five to be established.

A very considerable increase in the amount of work undertaken for other departments has been evident throughout the year. The Health Department is indeed glad to be of every assistance in this regard.

Considerable increase in activity has been undertaken in regard to the Department's educational program.

Financial grants in aid of the Department's work received from the Federal and our Provincial Governments are herein gratefully acknowledged.

The Health Department deeply appreciates the constructive help, kindly advice and guidance given throughout the year by the following:

His Worship the Mayor, Commissioners, and Members of the City Council.
Members of the Calgary Public and Separate School Boards
Superintendent and Staff of the Balmor Memorial Sanatorium
Superintendent and Staff of the Provincial Mental Hygiene Division



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4.

Alberta and Calgary Tuberculosis Associations
 Provincial Cancer Clinic
 Calgary Kinsmen's Club
 Metropolitan Life Insurance Co.
 Victorian Order of Nurses
 Calgary General Hospital & Staff
 Calgary Medical Society
 Calgary Dental Society
 Calgary Daily Press
 Radio Broadcasting Stations
 Several Pharmaceutical Firms for liberal supplies of their products.

The Medical Officer of Health again wishes to express his grateful thanks to each and every one of the staff of this Department for their loyalty and co-operation, and for the very excellent manner in which their several duties have been discharged throughout the year.

Reports of the different divisions of the Health Department are an integral part of this report.

Respectfully submitted,

W. H. HILL, M.D., C.M., D.P.H.,
 Medical Officer of Health,
 City of Calgary, Alberta.

ILLEGITIMATE BIRTHS 1953

Date	City	Out of town	Age of child												Prev M ^o ge	TOTAL	
			14	15	16	17	18	19	20-24	25-30	31 & over	1st	2nd & over				
Jan	12	15			2	3	2	2	8	3	7	24		3	3	27	
Feb	21	12		1	2	2	5	12	6	5	24		9	7		33	
Mar	15	12			3	3	2	11	4	4	22		5	4		27	
Apr	20	10		1	1	3	3	3	15	2	2	26		4	2		30
May	20	10			3	2	2	13	6	4	21		9	5		30	
Jun	14	7			1	2	2	7	6	3	17		4	4		21	
Jul	27	12		1	5	1	3	16	10	3	32		7	7		39	
Aug	12	15		1	1	1	3	11	6	4	20		7	4		27	
Sep	17	12			1	6	17	4	1	25		4	1			29	
Oct	6	13			1	3	1	9	2	3	16		3	3		19	
Nov	11	13		2	4	6	7	4	1	20		4	2			24	
Dec	25	8		1	2	5	2	12	7	4	27		6	3		33	
TOTALS	200	139		2	11	21	29	37	138	60	41	274		45	45		339

2 sets of twins
 45 previous marriage

Total births 5,799
 Illegitimate 339 or 5.85 per cent.

Vital Statistics Tables, in accordance with the form approved by the Canadian Public Health Association, follow.

VITAL STATISTICS REPORT

Population as shown by government census of 1951 was 129,010

Live Births	5,799	Rate per 1,000 population	44.9
Stillbirths	86	Rate per 1,000 live births	14.9

Included in the above were 1,268 non-resident births and 15 non-resident stillbirths.

TABLE No. 1

LIVE BIRTHS 1949 - 1953

Year	Population	No. including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1953	129,010	5,799	44.9	4,531	35.1
1952	129,060	5,095	39.5	4,105	31.8
1951	129,060	4,608	35.7	3,710	28.7
1950	106,000	4,019	37.9	3,094	29.2
1949	106,000	4,080	38.5	3,186	30.1

TABLE No. 2

STILLBIRTHS 1949 - 1953

Year	Population	No. including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1953	129,010	81	0.66	71	0.55
1952	129,060	99	0.77	72	0.56
1951	129,060	82	0.64	64	0.5
1950	106,000	67	0.63	48	0.47
1949	106,000	79	0.74	65	0.61

MARRIAGES

Number performed in 1953 was 2,092. Rate per 1,000 population 16.2

DEATHS

From all causes a total of 1,531 deaths were reported, being a rate of 11.8 per thousand population, including 272 deaths of non-residents.

TABLE No. 3.

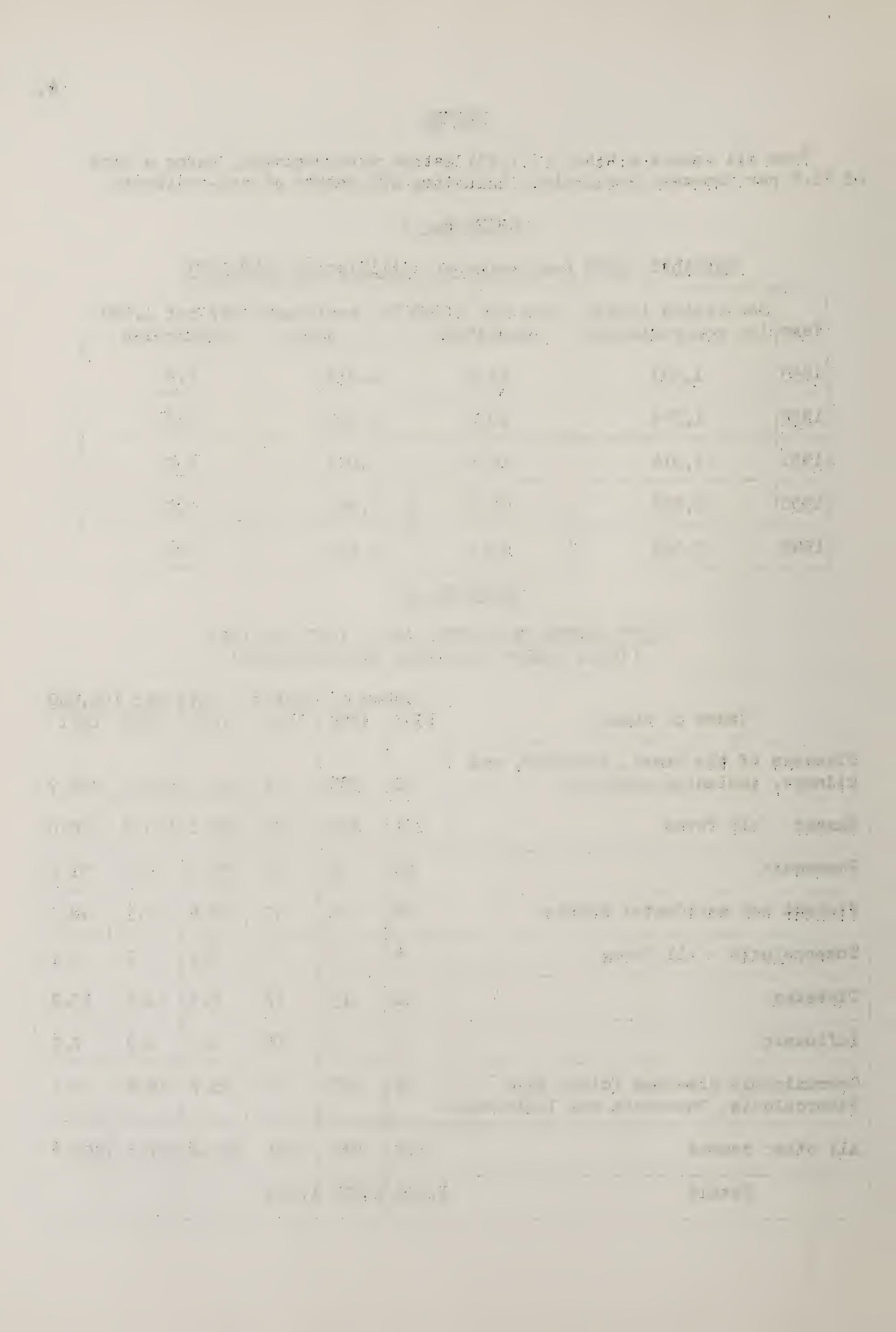
MORTALITY RATE (exclusive of stillbirths) 1949-1953

Year	No. deaths includ. inc. non-residents	Rate per 1,000 population	No. residents only	Rate per 1,000 population
1953	1,531	11.8	1,259	9.8
1952	1,395	10.8	1,118	8.67
1951	1,314	10.2	1,052	8.0
1950	1,308	12.3	1,048	9.9
1949	1,329	12.5	1,035	9.8

TABLE No. 4

CHIEF CAUSES OF DEATHS, 1951, 1952 and 1953
(total number including non-residents)

Cause of death	Number of deaths			Rate per 100,000		
	1953	1952	1951	1953	1952	1951
Diseases of the heart, arteries, and kidneys, including apoplexy	62	588	561	512.9	455.6	434.7
Cancer - all forms	261	239	220	202.2	185.2	170.0
Pneumonia	40	39	40	31.0	30.2	31.0
Violent and accidental deaths	78	62	55	60.4	48.1	42.6
Tuberculosis - all forms	4	8	4	3.1	6.2	3.1
Diabetes	12	15	17	9.3	11.6	13.2
Influenza	3	3	10	2.3	2.3	7.7
Communicable diseases (other than Tuberculosis, Pneumonia and Influenza)	50	25	6	38.7	19.4	4.6
All other causes	421	416	401	326.2	321.6	303.7
Totals	1,531	1,395	1,314			



INFANT MORTALITY.

The Infant Mortality Rate for the municipality, including deaths of non-residents, is presented in the following tables for the year 1953 and the preceding four years.

TABLE No. 5

DEATHS OF INFANTS IN THE FIRST YEAR OF LIFE 1949-1953

	1953	1952	1951	1950	1949
Number of infant deaths	163	128	126	111	116
Rate per 1,000 live births	28.1	24.9	27.3	27.6	28.4

Number of deaths of non-residents included in the above: 1953 - 31, 1952 - 29, 1951 - 36, 1950 - 24, and 1949 - 35.

TABLE No. 5

INFANT MORTALITY BY CAUSES OF DEATHS 1949-1953

Causes of deaths	1953	1952	1951	1950	1949
1. Diarrhoea and enteritis	4	4	4	1	3
2. Pneumonia and influenza	20	8	12	8	10
3. Prematurity	63	51	55	50	47
4. Congenital debility and malformations	25	43	27	34	15
5. Injuries at birth	12	8	5	8	15
6. Acute communicable diseases (whooping cough, diphtheria, measles, scarlet fever, etc.)	2	0	0	0	0
7. Other causes	37	14	23	10	26

Of the 163 infant deaths registered this year, 61 occurred within the first twenty-four hours, 37 within the first week and 20 died under the age of one month, representing 72.4 per cent of the total.

MATERNAL DEATHS

The number of deaths of mothers from puerperal causes was 3. There was 1 non-resident death. The rate for the municipality is 0.5 per 1,000 live births.

TABLE No. 7

MATERNAL MORTALITY, (including non-residents) 1949-1953

Year	Live Births	Number of maternal deaths	Rate per 1,000 live births
1953	5,799	3	0.5
1952	5,096	3	0.59
1951	4,08	2	0.43
1950	4,019	4	1.0
1949	4,030	3	0.7

Number of deaths of non-residents included in above.

1953 .. 1, 1952 .. 1, 1951 .. 1, 1950 .. 3, 1949 .. 1

TABLE No. 8

CAUSES OF MATERNAL DEATHS 1953

Cause of death	Number, including non-residents	Residents Only
Abortions (septic and non-septic)	1	1
Puerperal toxæmia	-	-
Puerperal sepsis	-	-
Other puerperal causes	2	1

From the following table, the part played by certain diseases is at once evident.

TABLE No. 9

COMMUNICABLE DISEASES (residents only).

REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES 1953.

	Cases		0-4 years		5-14 years		15 & over		Totals	
	M	F	Cases	Dth's	Cases	Dth's	Cases	Dth's	Cases	Dth's
Amoebic Dysentery	1	-	0	0	0	0	1	0	1	-
Cer. Spinal Meningitis	-	-	0	0	0	0	0	0	0	0
Chickenpox	300	245	134	1	395	-	15	-	545	1
Diphtheria	-	-	0	0	0	0	0	0	0	0
German Measles (Rubella)	117	133	23	-	214	-	13	-	250	-
Influenza	-	-	0	1	0	0	2	-	3	-
Leprosy	1	0	0	0	0	0	1	0	1	-
Measles	203	183	135	-	246	-	5	-	386	-
Mumps	32	30	8	-	49	-	5	-	62	-
Paratyphoid Fever	-	-	0	0	0	0	0	0	0	0
Pneumonia (all forms)	-	-	0	22	-	1	-	22	-	45
Ant. Poliomyelitis	143	128	50	3	101	5	120	32	271	40
Puerperal Septicaemia	-	-	0	0	0	0	0	0	0	0
Scarlet Fever	162	145	75	-	214	-	18	-	307	-
Septic Sore Throat	-	-	0	1	0	0	1	0	2	-
Smallpox	-	-	0	0	0	0	0	0	0	0
Tuberculosis (all forms)	20	14	0	0	0	0	34	4	34	4
Typhoid Fever	1	0	1	0	0	0	0	0	1	0
Tetanus	-	-	0	0	0	0	0	0	0	0
Undulant Fever	-	-	0	0	0	0	0	0	0	0
Whooping Cough	13	10	13	-	10	-	0	0	23	-
Totals	993	888	439	28	1,230	6	212	61	1,881	95

* No longer notifiable, according to Provincial Regulations of May 1, 1953.

IMMUNIZATION REPORT 1953.

10.

	Quantity Distributed by Health Department (enough for)	Number of persons given complete treatment by the Health Dept.	Reinforce- ing doses given
Diphtheria Toxoid	1,742	192	106
Smallpox Vaccine	7,827	2,431	including revaccination
Scarlet Fever Toxin	107	3	0
Pertussis Vaccine	63	11	119
Combined Pertussis and Diphtheria	440	15	110
Triple Toxoid	3,088	1,999	905
Anti-Measles Serum	120	0	0
T. A. B. T.	123	15	0
Tetanus Toxoid	40	0	0
Typhoid & Paratyphoid Vaccine	832	43	0
Cholera	0	18	0
Typhus	0	14	0

TABLE No. 10.

REPORTED CASES AND DEATHS FROM TUBERCULOSIS 1949-1953.

Year	Cases	City	Number of	Number of	Total	Rate per 100,000
			deaths in	deaths in		
1953	34	3	5	8	8	6.2
1952	62	8	2	10	10	7.7
1951	144	4	12	1	13	12.4
1950	39	5	13	18	18	17.0
1949	55	6	5	11	11	10.4

TABLE No. 11.

REPORTED CASES AND DEATHS FROM SCARLET FEVER,
DIPHTHERIA, WHOOPING COUGH AND MEASLES, 1951-1953

	Cases			Deaths			Mortality rate per 100,000 population		
	1951	1952	1953	1951	1952	1953	1951	1952	1953
Scarlet Fever	593	539	307	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0
Whooping Cough	109	195	23	0	0	0	0	0	0
Measles	1,755	389	383	0	0	0	0	0	0

There were no deaths from the above diseases in 1953.

TABLE No. 12

REPORTED CASES AND DEATHS FROM TYPHOID FEVER 1941-1953

Year	Cases Residents only	Number of deaths including deaths of non-residents	Rate per 100,000 population, includ- ing non-residents	
			of non-residents	including non-residents
1953	1	—	—	—
1952	2	—	—	—
1951	—	—	—	—
1950	1	—	—	—
1949	—	—	—	—

SERUM AND VACCINE DISTRIBUTED FOR USE IN CALGARY 1953

Diphtheria Antitoxin, syringe packages,	20,000 units	10
" " " "	1,000 units	5
Scarlet Fever Antitoxin, "	9,000 units	77
" " " "	3,000 units	36
Diphtheria Toxoid, packages for one person		5.55
" " " " six persons		98
Material for the Dick Test		28
Material for the Schick Test		63
Scarlet Fever Toxin, packages for one person		107
Pertussis Vaccine, " " " " "		63
Combined Pertussis Vaccine and Diphtheria Toxoid for one person		440
Combined Pertussis Vaccine, Diphtheria Toxoid and Tetanus Toxoid, packages for one person		3,016
Combined Pertussis Vaccine, Diphtheria Toxoid and Tetanus Toxoid, packages for twelve persons		6
Gas Gangrene Antitoxin, vials of 4,000 units		27
" " " vials of 10,000 units		2
Tetanus Antitoxin, syringe packages of 10,000 units		2
" " " " 1,500 units		305
Staphylococcus Toxoid, packages of 2 cc's		16
Anti-Measles Serum, packages of 5 cc's		120
Tetanus Toxoid, packages for one person		40
T.A.B.T. (Tetanus Toxoid and Typhoid and Paratyphoid Vaccine) 3 cc vials		123
Combined Diphtheria Toxoid and Tetanus Toxoid, packages for one person		36
Smallpox Vaccine, individual capillary tubes		7,827
Typhoid and Paratyphoid Vaccine, packages for one person		52
" " " 10 cc vials		65

All of the above material supplied free by the Provincial Department of Health, Edmonton, and all are products of the Connaught Laboratories, University of Toronto, Ontario.

CAUSES OF DEATH BY AGE AND SEX (gross) 1953

12.

	Males	Females	Under 2 ⁴ hours	Inter one year	1 to 4 years	5 to 19 years	20 to 39 years	40 to 59 years	60 years and over	Totals
1. Infective and Parasitic Diseases	30	15	1	4	2	9	28	5	5	54
2. Neoplasms	161	107	-	1	3	7	1	74	168	268
3. Allergic, Endocrine System, Metabolic and nutritional Diseases	11	9	-	1	-	-	2	3	14	20
4. Diseases of the blood and blood-forming organisms	1	4	-	-	-	-	-	1	4	5
5. Mental, Psychoneurotic, and Personality Disorders	4	3	-	-	-	-	2	2	3	7
6. Diseases of the Nervous System and Sense Organs	39	31	-	2	-	1	4	10	53	70
7. Diseases of the Circulatory System	416	219	1	1	-	2	15	101	515	635
8. Diseases of the Digestive System	46	28	-	3	1	3	7	17	43	74
9. Diseases of the Respiratory System	50	20	-	21	3	1	2	5	38	70
10. Diseases of the Genito-Urinary System	33	11	-	-	4	-	-	4	36	44
11. Diseases and complications of pregnancy, childbirth and puerperium	-	3	-	-	-	-	2	1	-	3
12. Diseases of the Skin and Cellular Tissue	1	1	-	-	-	-	-	-	2	2
13. Diseases of the bones and organs of movement	6	1	-	-	1	-	2	1	3	7
14. Congenital malformations	15	9	3	18	1	-	1	1	1	25
15. Certain diseases of early infancy	53	48	52	49	-	-	-	-	-	101
16. Symptoms, senility, and ill-defined conditions	33	35	2	1	-	1	2	2	50	68
17. Accidents, poisonings and violence	59	19	-	3	3	4	22	17	27	78
TOTALS	968	563	59	104	14	24	104	244	972	1,531

Supplementary classifications
for stillbirths.

46 40

86

COMMUNICABLE DISEASES REPORTED 1953

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Amoebic Dysentery	0	0	0	0	0	0	0	0	0	0	0	1	1
Chicken Pox	152	123	147	89	33	1	0	0	0	0	0	0	545
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0
Erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	1	0	0	0	0	0	0	0	1
Measles	18	12	43	100	95	75	25	7	4	2	2	3	386
Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0
Mumps	24	20	6	10	0	2	0	0	0	0	0	0	62
Paratyphoid Fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Poliomyelitis	1	0	0	0	1	2	16	84	85	41	30	11	271
Rubella (German Measles)	2	5	20	32	54	118	6	1	5	1	3	3	250
Scarlet Fever	59	34	51	24	37	1	3	2	4	9	22	45	307
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0
Pul. Tuberculosis	0	1	6	1	8	6	1	3	2	2	2	2	34
Typhoid Fever	0	0	0	0	0	0	0	0	1	0	0	0	1
Undulant Fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping Cough	3	2	6	0	3	1	0	2	0	1	3	2	23
TOTALS	259	197	279	256	232	222	51	99	101	56	62	67	1,881

FROM OUT OF TOWN

Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Poliomyelitis	1	1	0	0	0	1	8	37	46	24	15	7	140	
Scarlet Fever	3	2	0	7	2	1	0	0	0	0	0	0	15	
TOTALS	4	3	0	7	2	2	8	37	46	24	15	8	156	

* No longer notifiable - Prov. Regulations
of May 1, 1953.

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES,
 INJURIES, AND CAUSES OF DEATHS

		M	F	City	Out	Totals
002	Pulmonary Tuberculosis	1	1	1	1	2
010	Tuberculosis of meninges and central nervous system	1			1	1
022	Other cardiovascular syphilis	1		1		1
025	General paralysis of insane	1		1		1
028.2	Latent syphilis - unspecified		1	1		1
051	Streptococcal sore throat	2		1	1	2
053.4	Septicaemia and pyaemia - Organism unspecified	2	1	1	2	3
057.3	Meningococcal infections - Other forms of meningococcal infection		1		1	1
080	Acute Poliomyelitis - specified as bulbar or polio-encephalitis	15	5	13	7	20
080.3	Acute Poliomyelitis unspecified	14	5	8	11	19
080.1	Acute Poliomyelitis with other paralysis	1		1		1
087	Chickenpox	1		1		1
092	Infectious hepatitis		1	1		1
140	Malignant neoplasm of lip	1		1		1
141	Malignant neoplasm of tongue	1		1		1
14	Malignant neoplasm of nasopharynx	1		1		1
143	Malignant neoplasm of nasopharynx - unspecified	1	1	1	1	2
150	Malignant neoplasm of oesophagus	2	1	3		3
151	Malignant neoplasm of stomach	27	6	30	5	35
152	Malignant neoplasm of small intestine, including duodenum	2	1	2	1	3
153	Malignant neoplasm of large intestine, except rectum	17	10	21		27
154	Malignant neoplasm of rectum		2	8	3	11
155	Malignant neoplasm of biliary passages and liver (stated to be primary site)	1	5			
156	Malignant neoplasm of liver (secondary and unspecified)	3	2	4	1	5
157	Malignant neoplasm of pancreas	7	5	9	3	12
160	Malignant neoplasm of nose, nasal cavities, middle ear, and accessory sinuses	3	1	4		4
162	Malignant neoplasm of trachea, and of bronchus and lung, specified as primary	9	3	10	2	12
163	Malignant neoplasm of lung	12		11	1	12
164	Malignant neoplasm of mediastinum	1		1		1
170	Malignant neoplasm of breast	1	25	25	2	27
171	Malignant neoplasm of cervix uteri		10	10		10
174	Malignant neoplasm of uterus, unspecified	3		3		3
175	Malignant neoplasm of ovary, Fallopian tube and broad ligament		3	2	1	3
176	Malignant neoplasm of other or unspecified genital female organ		1	1		1
177	Malignant neoplasm of prostate	11		8	2	11
178	Malignant neoplasm of testis	1			1	1
180	Malignant neoplasm of kidney	4	2	4	2	5
181	Malignant neoplasm of bladder and other urinary organs	5	4	8	1	9
190	Malignant neoplasm of skin	1	1	2		2

	H	F	In	Out	Totals
	159	104	255	56	263
191 Other malignant neoplasm of skin	2		2		2
193 Malignant neoplasm of brain and other parts of nervous system	5		4	1	5
195 Malignant neoplasm of other endocrine glands	1		1		1
196 Malignant neoplasm of bone (including jaw bone)	4	2	6		6
197 Malignant neoplasm of connective tissue	1		1		1
199 Malignant neoplasm of other and unspecified sites	9	3	11	1	12
200 1 Lymphosarcoma and reticulosarcoma - Lymphosarcoma	3		2	1	3
200.2 Lymphosarcoma and reticulosarcoma - other primary malignant neoplasm of lymphoid tissue	1		1		1
201 Hodgkin's disease	4		2	2	4
204 Leukemia and aleukemia - Lymphatic leukemia	4	4	5	3	8
204.1 Leukemia and aleukemia - Myeloid leukemia	1	2	2	1	3
204.2 Leukemia and aleukemia - Monocytic leukemia		1	1		1
204.4 Leukemia and aleukemia - Other and unspecified leukemia	3	1	3	1	4
204.3 Leukemia and aleukemia - Acute leukemia unspecified type	1			1	1
214 Uterine fibromyoma		1		1	1
215 Other benign neoplasm of uterus		1	1		1
223 Benign neoplasm of brain and other parts of nervous system	2	3	4	1	5
241 Asthma	3	2	4	1	5
250 Diabetes mellitus	8	4	3	4	12
272 Diseases of pituitary gland		2		2	2
274 Diseases of adrenal gland		1	1		1
290 Pernicious anaemia	1	3	3	1	4
292.4 Aplastic anaemia		1		1	1
304 Senile psychosis	2		2		2
311 Hysterical reaction without mention of anxiety reaction		1	1		1
322 Alcoholism - 322.0 Acute	1			1	1
322.1 Alcoholism - Chronic	1	2	3		3
330 Subarachnoid hemorrhage	1		1		1
331 Cerebral hemorrhage	13	9	19	3	22
332 Cerebral embolism and thrombosis	5	2	8		8
334 Other and ill defined vascular lesions affecting central nervous system	10	12	20	2	22
340.2 Meningitis - due to other unspecified organisms	1		1		1
340.3 Meningitis - unspecified cause	1		1		1
343 Encephalitis, myelitis and encephalomyelitis (except acute infections)		1	1		1
345 Multiple sclerosis		2	2		2
350 Paralysis agitans	2	1	1	2	3
351 Cerebral paretic infantile paralysis		1	1		1
352 Other cerebral paralysis		1		1	1
353.3 Epilepsy - Other and unspecified	1	1	2		2
355 Other diseases of brain	2		2		2
357 Motor neurone disease and muscular atrophy - progressive muscular atrophy	2		2		2
393.2 Iantoiditis without mention of otitis media - unspecified	1		1		1

		H	F	City	Out	Totals
400	Rheumatic fever without mention of heart involvement	255	169	337	87	424
401.1	Rheumatic fever with heart involvement - active rheumatic endocarditis	2	1	1	1	2
401.3	Rheumatic Fever with heart involvement - active rheumatic fever with other and multiple types of heart involvement	3	1	3	1	4
410	Diseases of mitral valve	2	4	5	1	8
411	Diseases of aortic valve specified as rheumatic	1		1		1
413	Other heart disease specified as rheumatic	5	4	7	2	9
420	Arteriosclerotic heart disease, so described	23	18	37	4	41
420.1	Heart disease specified as involving coronary arteries	172	50	198	24	222
420.2	Angina pectoris without mention of coronary disease		1		1	1
421	Chronic endocarditis not specified as rheumatic - of mitral valve, specified as non-rheumatic	1	3	4		4
421.1	Chronic endocarditis not specified as rheumatic - of aortic valve	2		2		2
421.4	Chronic endocarditis - Other and ill defined not specified as rheumatic	1	3	2	1	3
422.1	Other myocardial degeneration - with arteriosclerosis	8	5	13		13
422.2	Other myocardial degeneration - Other	22	20	40	2	42
430	Acute and subacute endocarditis - acute and subacute bacterial endocarditis	2	1	3		3
431	Acute myocarditis not specified as rheumatic	1		1		1
432	Acute pericarditis specified as non-rheumatic	1		1		1
433.1	Functional disease of heart - other disorders of heart rhythm	2	1	3		3
434.1	Other and unspecified diseases of heart - Congestive heart failure	11	5	11	5	16
434.3	Other and unspecified diseases of heart - other and unspecified diseases of heart	2	2	4		4
434.2	Other and unspecified diseases of heart - Left ventricular failure	2		2		2
440	Essential benign hypertension with heart disease	9	7	11	5	16
442	Hypertensive heart disease with arteriolar nephrosclerosis	10	5	13	2	15
443	Other and unspecified hypertensive heart disease	1	2	3		3
444	Essential benign hypertension without mention of heart	22	25	41	6	47
445	Essential malignant hypertension without mention of heart	1	1	2		2
450	General arteriosclerosis - without mention of gangrene	88	56	132	23	155
451	Aortic aneurysm specified as non-syphilitic and dissecting aneurysm	2	1	3		3
452	Other aneurysm, except of heart and aorta	2		2		2
454	Arterial embolism and thrombosis		1	1		1
	forward	634	385	884	165	1,049

	M	T	City	Out	Totals
	664	385	884	165	1,049
455 Gangrene of unspecified cause	1			1	1
459 Other diseases of arteries	2		2		2
463 Phlebitis and thrombophlebitis of lower extremities	1			1	1
464 Phlebitis and thrombophlebitis of other sites	2		1	1	2
465 Pulmonary embolism and infarction	1	2	2	1	3
466 Other venous embolism and thrombosis		1	1		1
472.1 Acute pharyngitis - Other	1			1	1
474 Acute laryngitis and tracheitis		1	1		1
480 Influenza with pneumonia	2		1	1	2
482 Influenza with digestive manifestations but without respiratory symptoms	1		1		1
490 Lobar Pneumonia	8	2	7	3	10
491 Bronchopneumonia	15	8	19	4	23
492 Primary atypical pneumonia		5	3	2	5
493 Pneumonia, other and unspecified	1	1	2		2
501 Bronchitis, unqualified	2		2		2
502 Chronic Bronchitis - Bronchitis with emphysema	1			1	1
502.1 Chronic Bronchitis - Other	4		4		4
517 Other diseases of upper respiratory tract	1		1		1
518 Emphysema	1			1	1
521 Abscess of lung	2	2	3	1	4
525 Other chronic interstitial pneumonia	2		2		2
526 Bronchiectasis	5		4	1	5
527.1 Other diseases of lung and pleural cavity - Emphysema without mention of bronchitis	2		2		2
527.2 Other diseases of lung and pleural cavity - Other	2	1	3		3
537 Diseases of salivary glands	1		1		1
540 Ulcer of stomach - without mention of perforation	3	3	6		6
540.1 Ulcer of stomach with perforation	2	1	3		3
541 Ulcer of duodenum - without mention of perforation	6	2	5	3	8
541.1 Ulcer of duodenum with perforation	1		1		1
550.1 Acute appendicitis with peritonitis	1	3	4		4
560.3 Hernia of abdominal cavity with mention of obstruction - Ventral (incision)		1	1		1
561 Hernia of abdominal cavity with obstruction - Inguinal	2		2		2
561.1 Hernia of abdominal cavity with obstruction - Femoral		1		1	1
561.2 Hernia of abdominal cavity with obstruction - Umbilical		1	1		1
570.3 Intestinal obstruction, without mention of hernia - Volvulus	1	1	1	1	2
570.5 Intestinal obstruction, without mention of hernia - Other	6	1	6	1	7
571 Gastric-enteritis and colitis, except ulcerative, 4 weeks and over, between 4 weeks and 2 yrs.	1	1	2		2
571.1 Gastric-enteritis and colitis, except ulcerative, 2 years and over		1	1		1

	H	F	City	Out	Totals
	745	424	979	190	1,169
572.1 Chronic enteritis and ulcerative colitis -					
Diverticulitis	1		1		1
572.3 Chronic enteritis and ulcerative colitis -					
Other	1	4	1		1
578 Other diseases of intestines and peritoneum		4	4		4
580 Acute and subacute yellow atrophy of liver	2		2		2
581 Cirrhosis of liver .. without mention of alcoholism	8	4	8	4	12
581.1 Cirrhosis of liver with alcoholism	1	1	2		2
584 Cholelithiasis	2	2	1	3	4
585 Cholelithiasis without mention of calculi	2	1	3		3
586 Other diseases of gallbladder and biliary ducts	2		2		2
587 Diseases of pancreas .. Acute pancreatitis	1		1		1
587.1 Diseases of pancreas .. Chronic pancreatitis	1			1	1
587.2 Diseases of pancreas .. Other diseases of pancreas	1		1		1
590 Acute nephritis	3	1	4		4
591 Nephritis with oedema, including nephrosis		1	1		1
592 Chronic nephritis	11	6	15	2	17
593 Nephritis, not specified as acute or chronic	2	1	2	1	3
600 Infection of kidney .. pyelitis, pyelocystitis and pyelonephritis	4	2	6		6
602 Calculi of kidney and ureter	1		1		1
605 Cystitis	1			1	1
610 Hyperplasie of prostate		11	8	3	11
650 Abortion without mention of sepsis or toxæmia, Spontaneous or unspecified		1	1		1
670 Delivery complicated by placenta praevia or antepartum haemorrhage		1		1	1
688.2 Sudden death from unknown cause in puerperium	1	1	1		1
704.1 Pemphigus .. other	1	1	1	1	2
722 Rheumatoid arthritis and allied conditions ..					
Rheumatoid arthritis	2		2		2
723 Osteo-arthritis and allied conditions ..					
Osteo-arthritis (arthroses)		1	1		1
727 Rheumatism unspecified	2		2		2
738 Other diseases of joint	1			1	1
748 Clubfoot	1			1	1
751 Spina bifida and meningocele	3	1	1	3	4
752 Congenital hydrocephalus	2		2		2
754.4 Congenital malformations of circulatory system .. Other and unspecified malformation of heart	5	4	7	2	9
754.6 Congenital malformations of circulatory system, other circulatory malformations	1		1		1
756.2 Congenital malformations of digestive system, other	2	2	1	3	4
757.1 Congenital malformations of genito urinary System .. Polycystic disease of kidney	1		1		1

		M	F	City	Out	Totals
		821	459	1,063	217	1,280
759.2	Other and unspecified congenital malformations not elsewhere classified - Of muscle	1	1	2		2
759.3	Other and unspecified congenital malformations not elsewhere classified - other and unspecified	1	1	2		2
760	Intercranial and spinal injury at birth - without mention of immaturity	4	3	7		7
761	Other birth injury - Without mention of immaturity	2	3	4	1	5
762	Postnatal asphyxia and atelectasis - without mention of immaturity	5	3	6	2	8
762.2	Postnatal asphyxia and atelectasis - with immaturity	1		1		1
763	Pneumonia of newborn - without mention of immaturity	2	3	4	1	5
764.5	Diarrhoea of newborn with immaturity		1	1		1
767.5	Umbilical sepsis - with immaturity	1		1		1
768	Other sepsis of newborn - without mention of immaturity		1	1		1
769.1	Neonatal disorders arising from maternal toxæmia - Attributed to diabetes maternal - without mention of immaturity	2		2		2
769.9	Neonatal disorders arising from maternal toxæmia - Attributed to others and unspecified maternal toxæmia with immaturity	1		1		1
770	Haemolytic disease of newborn - Erythroblastosis without mention of nervous affection or immaturity	3		2	1	3
770.1	Haemolytic disease of newborn - Kernicterus without mention of immaturity	1		1		1
771	Hemorrhagic disease of newborn - without mention of immaturity	1		1		1
773	Ill-defined diseases peculiar to early infancy, without mention of immaturity	1	1	2		2
774	Immaturity with mention of any subsidiary condition / other	24	26	39	5	44
775	Immaturity, unqualified	9	9	16	2	18
782.4	Symptoms referable to cardiovascular and lymphatic acute heart failure, undefined	1	4	4	1	5
794	Senility without mention of psychosis	27	26	34	19	53
795.5	Ill-defined and unknown causes of morbidity and other unknown and unspecified causes	5	5	8	2	10
E802	Railway accidents involving other or unspecified person	2		2		2
E812	Motor vehicle traffic accident to pedestrian	12	2	12	2	14
E813	Motor vehicle traffic accident to pedal cyclist	1			1	1
E816	Other motor vehicle traffic accident involving two or more motor vehicles	5	3	4	4	8
E819	Motor vehicle traffic accident involving collision with fixed or unspecified object	1		1		1
	forward	930	549	1,220	259	1,479

	M	F	City	Out	Totals
	930	549	1,220	259	1,479
E.824 Other non-collision motor vehicle traffic accident		1		1	1
E844 Accident to pedestrian caused by other nonmotor road vehicle	1		1		1
E890 Accidental poisoning by utility (illuminating) gas	2	1	2	1	3
E891 Accidental poisoning by motor vehicle exhaust gas	1		1		1
E892 Accidental poisoning by other carbon monoxide gas	1	1		2	2
E900 Accidental falls - Fall on stairs	3		3		3
E902 Other falls from one level to another	3	2	5		5
E903 Fall on same level	3		3		3
E904 Unspecified falls		1	1		1
E910 Blow from falling object	1		1		1
E911 Accident caused by vehicle	1		1		1
E912 Accident caused by machinery	1		1		1
E916 Accident caused by fire and explosion of combustible material	3	2	4	1	5
E919 Accident caused by firearm	2		1	1	2
E921 Inhalation and ingestion of food causing obstruction or suffocation	1	2	3		3
E922 Inhalation and ingestion of other object causing obstruction or suffocation		1		1	1
E923 Foreign body entering other orifice	1			1	1
E932 Excessive cold	1		1		1
E936 Other and unspecified accidents	1		1		1
E951 Therapeutic misadventure in infusion or transfusion	1		1		1
E954 Therapeutic misadventure in anaesthesia	1	1	1	1	2
E957 Late complications of amputation stump	1		1		1
E973 Suicide and self-inflicted poisoning by other gases	1			1	1
E975 Suicide and self-inflicted injury by submersion (drowning)	2		1	1	2
E976 Suicide and self-inflicted injury by firearms and explosives	3		2	1	3
E978 Suicide and self-inflicted injury by jumping from high place	1			1	1
E980 Homocide and injury purposely inflicted by other persons (not war) Non-accidental poisoning by another person		1	1		1
E981 Assault by firearms and explosives	1		1		1
E982 Assault by cutting and piercing instruments	1		1		1
E983 Assault by other means		1	1		1
Total	968	563	1,259	272	1,531

W.H. HILL, Esq., M.D., C.M., D.P.H.,
Medical Officer of Health,
Calgary, Alberta.

Dear Sir:

The following is a report of the work accomplished by the Sanitary Division of the Health Department for the year 1953 and is submitted for your information and approval.

GENERAL SANITARY INSPECTION

The duties of the several Inspectors were effectively discharged throughout the year. Due to the increase in population, as well as the development of new business and residential areas it was found to be difficult for the Inspectors to cover their districts as frequently as is necessary for good sanitary supervision. It is anticipated that this situation will be rectified during 1954. Considerable educational work was done during the year and a steady improvement in the general sanitation of the city is apparent. The major portion of the city was sprayed for the control of flies during the months of August and September. In spite of the lateness in getting started it is felt that the Fly Control Program was quite effective.

The following table is a detailed report of the inspectional work.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Inspections made	1454	1577	1592	1429	1556	1374	2815	1282	1554	1608	1571	1757	19569
Notices issued													
written	15	21	16	18	10	18	24	42	71	26	73	21	355
verbal	300	433	463	343	371	280	696	317	393	448	318	284	4646
Complaints received	5	52	58	57	79	84	86	111	113	66	54	30	846
Complaints justified	42	40	46	46	59	67	73	89	95	63	43	27	689
Prosecutions	1	0	0	0	0	0	0	0	0	1	0	0	2
Bacteria Test of utensils	48	0	48	0	48	0	0	0	0	0	0	0	144
Totals	1914	2124	2093	1893	2123	1823	3694	1841	2226	2212	2059	2119	26251

QUARANTINE

This Inspector has taken care of all calls regarding Infectious Diseases and in addition has exercised sanitary supervision over the out-lying areas of East Calgary.

The following table is a detailed report of this work for the year.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Houses quarantined	57	32	45	22	40	20	9	89	91	40	40	38	523
Houses released from quarantine	52	29	43	25	31	17	7	87	92	34	41	30	488
Patients moved to hospital	57	33	48	27	32	12	9	87	121	59	37	4	526
Other calls made	85	145	93	78	101	106	391	67	92	136	72	85	1,451
TOTALS	251	239	229	152	204	155	416	330	396	269	190	157	2,988

FOOD INSPECTION

The inspection of food-stuffs is a very important part of departmental activities and the Inspector in charge of this work has conducted his duties with efficiency and dispatch.

The following is a report of foods condemned during the year.

72 lbs. pork	75 lbs. veal	1200 lbs. groceries
19 cans Chili Con Carne	10 gals. fruit juice	25 lbs. cocoanut
30 lbs. Lard	10 lbs. fish	20 lbs. raisins
38 lbs. beef	7 qts. molasses	35 lbs. dates
225 lbs. flour	55 lbs. Bran	

MEAT INSPECTION

The work of this branch has been efficiently carried out during the year. A detailed report follows.

SUBMITTED	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Beef	335	327	433	400	411	423	438	360	337	336	371	326	4,497
Veal	271	276	331	230	154	186	202	201	240	259	226	273	2,849
Hogs	126	83	87	72	60	59	53	47	63	62	67	84	863
Sheep and lamb	24	52	40	6	13	27	61	57	29	84	5	3	401
Totals	756	738	891	708	638	695	754	665	669	741	669	686	8,610

Cont'd.

CONDEMNED	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Beef	-	-	-	1 $\frac{1}{4}$	-	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{4}$	-	4 $\frac{1}{2}$
Veal	-	-	-	-	-	1	-	-	-	-	-	-	1
Hogs	2	-	-	$\frac{1}{2}$	1 $\frac{1}{2}$	-	$\frac{1}{4}$	1	-	1	$\frac{1}{4}$	-	6 $\frac{1}{2}$
Sheep and lamb	-	-	-	-	-	3	-	-	-	-	-	-	3
Totals	2	-	-	1 $\frac{3}{4}$	1 $\frac{1}{2}$	4	$\frac{1}{2}$	2 $\frac{3}{4}$	-	1	1 $\frac{1}{2}$	-	14 $\frac{3}{4}$

PORTIONS CONDEMNED

Beef heads & tongues	14	8	17	13	12	12	8	17	6	13	31	15	166
Beef hearts	7	6	8	4	4	3	3	3	3	2	9	4	56
Beef livers	46	35	52	40	68	43	107	52	23	23	20	36	545
Veal heads & tongues	5	5	9	10	6	6	-	6	5	7	5	6	72
Veal hearts	-	-	2	-	-	-	-	-	-	1	-	5	8
Veal livers	9	13	7	17	16	18	16	3	4	10	11	13	137
Hog Heads & tongues	12	6	8	9	7	3	8	7	3	3	2	6	74
Hog Hearts	8	3	1	5	2	-	-	3	4	1	5	1	33
Hog livers	17	4	9	8	10	10	3	7	9	13	7	7	104
Sheep livers	1	17	20	-	9	13	32	13	8	15	-	-	128
Sheep hearts	-	-	-	-	3	-	-	-	-	-	-	-	3
Totals	119	97	133	106	134	111	177	111	66	88	91	93	1,326

MILK AND DAIRY INSPECTION

The work in this branch has increased considerably. The milk shed has expanded and there is more milk coming into the city than ever before. The efforts of the Inspectors have resulted in a very fine improvement in the quality of milk sold to the consumer.

During the year the Engineers' Laboratory was closed and the milk testing equipment was moved to the Glenmore Laboratory. Most of this equipment was set up in a temporary manner and it is to be hoped that a permanent laboratory will be provided in a more convenient location. The Department was fortunate in securing the services of Miss I. Ferguson as Laboratory Technician and she has proved to be of great assistance to us.

The appreciation of the Department is extended to the following for their assistance and co-operation.

Palm Dairies Ltd.	Dr. D. Shute
Union Milk Co.	Dr. H. C. Storey
Model Dairies Ltd.	Mr. M. D. Phillips
Alpha Milk Co.	

A detailed report of milk control work follows.

Of the 5,452 Methylene Blue Reductase Tests applied to producers' milk samples, 74.3% were grade one, 10.1% grade two, and 15.6% grade three.

Of the 5,251 sediment tests applied to samples of producers' milk 96.7% were good, 1.7% were fair and 1.6% were bad.

Sediment tests on 370 samples of Distributors' pasteurized milk were made and all were good.

Phosphatase Test was applied to 444 samples of pasteurized milk and all recorded less than 2 Scharer units.

Bacteriological tests were made of 651 bottles of Distributors' milk and showed a yearly average plate count of:

Standard 25,265	Nursery 33,110	Sub-standard 22,790
Homogenized 25,817	Jersey 27,360	Whipping Cream 55,136

Butterfat tests were applied to 444 samples of Distributors' milk and cream and show the following averages for the year:-

Standard milk 3.48%	Jersey milk 4.55%
Homogenized milk 3.44%	Sub-standard cream 10.27%
Nursery milk 3.45%	Whipping cream 34.75%

According to information supplied by the Public Utility Commissioners for the Province of Alberta,

Total sales of all fluid milk was	18,446,209 quarts
Total sales of 18% cream was	21,805 quarts
Total sales of 32% cream was	138,368 quarts
Total sales of 10% cream was	1,386,872 quarts
Total sales of Chocolate Drink was	588,025 quarts

The average daily consumption of fluid milk per capita was 0.78 pints as compared with 0.71 pints in the previous year - an increase of .07 pints.

I would express to you, Sir, on behalf of all the Inspectors, our thanks and appreciation for the advice and guidance which is unstintingly given whenever it is asked for.

Respectfully submitted,

W. PILLIDGE, C.S.I. (C.)

Chief Inspector

MILK AND DAIRY INSPECTION

25.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Inspections in country	48	51	72	60	54	30	53	68	92	70	30	26	654
Inspections in City	82	86	81	76	84	79	82	78	46	83	76	69	922
Complaints received	1	3	0	0	1	0	3	3	0	1	2	2	16
Complaints justified	1	2	0	0	1	0	3	3	0	1	2	2	15
Notices issued written	95	89	52	40	105	443	172	6	30	85	56	75	1,248
Notices issued verbal	18	12	19	31	21	24	15	37	57	41	29	21	325
Licenses suspended	4	7	7	3	4	14	10	0	0	1	5	5	60
Permits issued to:													
dairymen	311	2	3	4	2	7	0	6	4	7	9	0	355
milk vendors	5	0	0	0	0	0	0	0	0	0	0	0	5
cowkeepers	26	0	0	0	0	0	0	0	0	0	0	0	26
pasteurizing plants	5	0	0	0	0	0	0	0	0	0	0	0	5
distributors	5	0	0	0	0	0	0	0	0	0	0	0	5
Producers sediment													
tests	608	565	570	519	594	443	295	0	271	614	543	502	5,524
" reductase "	608	784	587	519	594	443	295	0	102	614	543	502	5,591
" microscopic "	2	1	0	2	1	0	1	0	0	2	0	0	9
Total Producers samples	1218	1350	1157	1040	1189	886	591	0	373	1230	1086	1004	11,124
Milk condemned, lbs.	75	240	360	210	320	400	350	680	270	240	300	400	3,845
Milk cons ", no.	3	3	6	4	4	8	8	12	10	36	16	12	122
Retailers sediment													
tests	40	40	40	40	40	40	20	0	0	40	40	30	370
" specific gravity "	48	48	48	48	48	48	24	0	0	48	48	36	444
" butter fat "	48	48	48	48	48	48	24	0	0	48	48	35	444
" phosphatase "	48	48	48	48	48	48	24	0	0	48	48	36	444
" samples	48	48	48	48	48	48	24	0	0	48	48	36	444
Tests for B. Coli	49	63	61	185	49	62	62	72	37	36	52	51	779
Plate counts	49	63	61	57	49	62	62	72	37	36	52	51	651
Total milk & cream samples	1315	1461	1266	1273	1286	996	677	72	410	1314	1186	1091	12,347
Water samples taken	0	0	0	0	0	0	0	0	0	1	0	0	5

REPORT ON CHILD HYGIENE CLINICS
(Infant and Pre-School)

Calgary, Alberta
For the year 1953.

January 18th, 1954.

W. H. Hill, Esq., M.D., C.M., D.P.H.,
 Medical Officer of Health,
 Calgary, Alberta.

Dear Dr. Hill:

I herewith submit the report of the Infant and Pre-School Clinics for 1953.

Attendance: Infants 9,806 Pre-school (2-5) yrs. 3,831 Total 13,637

An increase of 1665 over that of last year. 191 were from outside City. These do not have the services of the doctors.

New Cases: Infants 2,286 Pre-school 963 Total 3,249

Auxiliary Clinics	Scarboro	1,570
	Killarney	1,231
	North Hill	1,273
	Maude Riley Home	413
	Currie Barracks	292
	Total	<u>4,782</u>

All figures included in main report. Although the clinic at Currie Barracks has its own nurse, we provide them with forms, literature, etc their birth registration, make dental appointments, etc.

Present enrollment: Infants 2,991
 at all City Clinics Pre-School 9,436 Total 12,427

Number interviewed by doctors 3,069

Of 1,650 complete physical examinations in the 3 - 4 age group 1,176 were found to be O.K. 712 missed appointments.

Number interviewed by nurses 10,586

Visits:	To homes	8,037
	Insulin Investigations	15
	Pre-natal referred to V.O.N.	9
	Total	<u>8,061</u>

Infant Feeding Comparison: Breast 1,512 Bottle 5,374 Other 2,920

Defects:

Skin	326	Pneumovis	88
Ears	63	Intestinal	82
Eyes	179	Cong. Malformation	9
Hernia	125	Nose and Throat	48
Chest	207	Tonsils and Adenoids	294
Orthopedic	117	Mentally Deficient	5
		Teeth	589

Infectious Diseases

found at clinics:	Measles	4
	Chicken Pox	3
	Rubella	2
	Whooping Cough	2
	Mumps	1

68 of the above cases were referred to private physicians.
There have been 10 deaths.

Dental

Clinics:	Dr. Heimburger treated	1,026	95 missed appointments
	Dr. Duncan treated	832	110 missed appointments
	Dr. Horsley treated	782	145 missed appointments

Eye, Ear,

Nose & Throat:	No. of Tonsils and Adenoids operations	33
	No. of Eye treatments	608
	No. of Ear treatments	306
	No. of Nose & Throat treatments	169
	Refractions for glasses	73
	Individual cases treated	299

Students:	Calgary General Hospital	11 for 1 month each
	Calgary General Hospital	34 for $\frac{1}{2}$ day each
	Holy Cross Hospital	1 for $\frac{1}{2}$ day each
	R.C.M.C. Hospital	1 for $\frac{1}{2}$ day each
	Nursing Aides	194 for $\frac{1}{2}$ day each
	Voluntary Workers	128 for $\frac{1}{2}$ day each

Letters: 9,258 have been forwarded in connection with clinic work.

Staff: In May the Scarboro Clinic was opened with Miss Maynes in charge. Miss Wright and Miss Chambers from School Nursing Staff were assigned to assist part time.

Miss Jacobson resigned to be married. Miss Shaw taken on staff.

In August Miss MacKenzie from the School Nursing Staff was taken on half time.

In September Mrs. Foster from School Nursing Staff was taken on half time.

Donations: We are indebted to various firms for Cod Liver Oil and other infant food products. To the HounsfieId Heights Club for a generous supply of quilts. To the Nursing Aides School for childrens' furniture and toys used at the North Hill Clinic.

Respectfully yours,

M. F. LAVELL,
Nurse in Charge,
Child Hygiene Clinic, City Hall.

W. H. HILL, Esq., M.D., C.M., D.P.H.,
Medical Officer of Health,
Calgary, Alberta.

Dear Sir:

The following report sets out the work accomplished by the School Health Division in the City School System during the year 1953, and is presented for your information. During the school year a total of 8,035 received a full medical examination designed to assess their health state. This figure represents an increase of 1,397 pupils examined over the previous year's total. The average pupil enrollment for 1953 under the Calgary School Board and the Calgary Separate School Board was approximately 22,000. Thus 36% of the pupils enrolled received a medical examination during the school year. These periodic medical examinations have a very definite health educational value. They encourage the child to discuss any health problems and offer an opportunity for helpful suggestions in promoting healthy living. The older pupils particularly are quite at ease during a medical interview and seem genuinely interested. In order that the family may get the maximum benefit from such an examination, it is important for a parent to be present. Fortunately a great number of parents, particularly of the younger age groups, do attend the examination on the invitation extended by the nurse. Invitations to be present at the medical interview were extended to 6,500 parents, in grades other than High School. A total of 4,129 parents attended, or 63%. This figure does not differ significantly from the previous three years. Where both parents are working and unable to be present or where there are other extenuating circumstances, a note is invariably received expressing interest in the examination and requesting a note on any points which require attention. Where no parent is present at the examination a brief summary of the results is sent home. Any defects noted are recorded on a special referral form and either handed to the parent, sent home by letter, or with the child, according to circumstances.

The immunization state of each child is reviewed during the medical examination. 2,188 of those examined had never received a primary vaccination. This represents 27.2% and shows an increase over the previous year of 1.5%. Some 479 children had overrun the period of seven years considered advisable for revaccination. Though no effort is spared in acquainting the public on the benefits of inoculation against diphtheria 1,243 children, or 15.5% had never been immunized. This figure shows no change from that noted during the previous year. In addition 1,143 were found who had received initial protection but were in need of a reinforcing dose. The nurses have been engaged in a program of reviewing the medical history sheets, compiling nominal rolls of children whose records have become outdated or who have never been inoculated. A card requesting parental consent to inoculation or vaccination is taken home by the child for the parents' signature. These are returned to the school duly signed by the parent and in due course the school nurse runs an inoculation clinic in the school medical inspection room. It is found that doing children in groups in this way cuts down a lot of the natural apprehension so often apparent when individually taken for an inoculation.

During the year 3,448 children were vaccinated in school, a drop of 200 over the previous year. 5,232 inoculations against diphtheria were given, an increase of some 2,100 over that achieved in 1952. It is gratifying to note that 1,036 children were given a complete anti-diphtheria inoculation series, about 200 more than the year before.

From the results of the medical examinations each child has been awarded an arbitrary health category somewhat similar to the one used in expressing his academic standing. Three grades are used: A - Good, B - Fair, C - Poor. A total of 7,283 or 90.0% were considered to satisfy the standard for an A grading; 720 or 9.5% were felt warranted a B grading; and 32 or 0.5% had a C grading.

Defects noted by the physicians conducting the school examinations are summarized in the following table:

Defects	Number	Percentage of total examined
Anaemia	47	0.6%
Cardiac	55	0.7%
Pulmonary	65	0.8%
Abdominal	12	0.15%
Hernia	29	0.38%
Gonitalia	32	0.4%
Orthopaedic	59	0.74%
Feet	690	8.6%
Nervous System	48	0.5%
Tonsils & Adenoids	500	6.3%
Eyes	320	4.0%
Ears	96	1.2%
Endocrine	17	0.2%
Dental	1,783	22%
Others	164	2.0%

Resulting from these examinations 643 pupils or 8% were referred to the family physician, either on account of some specific defect noted for which treatment was warranted or for further investigation. The Health Department wishes to express its thanks to the private physicians for the information furnished on the referral slips, completed on behalf of their patients. This information is recorded on the child's medical record card and serves to produce a year by year health record. Dental caries, questionable tonsils and adenoids and defective vision account for the most part for referring children to the private physicians and dentists.

During the afternoons at the City Hall, children are referred by the nurses for special examinations for minor ailments. Many skin conditions, eye ailments, minor injuries, earaches, etc. are seen by the physicians. Many of these conditions would otherwise never be seen by a doctor. It is felt that in providing this special service much time lost from school is eliminated. Many parents bring their children to those afternoon sessions without prior referral by a nurse. 1,352 children were seen at the minor ailment clinic and 120 were further referred to their own private physicians for continuation treatment.

The school nurses have again had a very busy year and performed a vast amount of constructive health supervision, as the following summary will testify. The Department is very fortunate in having such an enthusiastic staff. Each nurse takes a very personal interest in the welfare of the children in her charge and the pupils readily turn to the nurses for advice and help.

The following is a summary of the work performed by the nurses:

Interviews of admission following illness	237	First aid treatments in school	4,789
Communicable diseases investigated:		Phone call and notes	7,586
Measles	218	Special dental appointments made	500
Scarlet Fever	132	Conferences with:	
Whooping Cough	34	pupils	25,564
German Measles	197	parents	1,893
Mumps	234	teachers	6,198
Chickenpox	598	other agencies	361
Others	611	Referred to medical examiners	1,789
Class Health talks given	465	Medical examinations assisted at	8,035
Meetings addressed	49	Vision tests	19,323
Home Visits	1,819	Pupils weighed, measured and interviewed	16,772
Exclusions from School:		Defects:	
Suspected communicable disease	76	Vision	1,656
Ringworm	25	Hearing	62
Scabies	42	Suspected unhealthy tonsils and adenoids	227
Impetigo	214	Others	1,087
Other reasons	494		

The year 1953 will be long remembered as being responsible for the worst outbreak of poliomyelitis in Western Canada. Calgary and the Southern part of the Province were particularly heavily hit. A total of 411 cases of poliomyelitis were reported to the Health Department with 269 of these cases residents within the City boundary. Reporting of cases during the months May, June and July was less than in the previous year and first impressions suggested a moderate incidence year only. The month of August saw a very great jump in case incidence with a similar figure recorded for the month of September. The outbreak was drawn out until the end of November, lasting one month longer than usual. Towards the end of July the Provincial Government made Gamma Globulin available to all family contacts of the disease. The Gamma Globulin was provided free to immediate family contacts and did a great deal as a moral booster within the community during these rather anxious months. Supplies of Gamma Globulin initially were very limited, but with Federal Government sponsored Connaught Laboratories coming into production during August all demands for Gamma Globulin from there on were satisfactorily met. Local swimming pools were again closed and children banned from the local cinemas. Schools were scheduled to reopen the 1st of September but an order issued by the Provincial Health Department postponed opening until September 14th. 269 notified cases of poliomyelitis from within the City boundaries gives an incidence rate of 18.17 per 10,000 population. This is the highest rate in the history of the City, an increase of 8.09 over the previous year. A breakdown of the statistics shows one interesting phase of the 1953 epidemic. The monthly incidence for city cases is shown in the following table.

Month	1953 Cases	1952 Cases
May	1	1
June	2	1
July	20	29
August	89	58
September	90	31
October	35	21
November	29	3
December	3	0
	269	144

A table of age incidence is further shown:

Age	1953	1952
0 - 5 yrs.	73 (28%)	52 (36%)
6-10	61 (23%)	32 (23%)
11-20	39 (14%)	25 (17%)
21-30	62 (23%)	24 (17%)
31-40	29 (10%)	11 (8%)
41- upwards	5 (2%)	-- --

In 1953 the age group 0 - 20 shows a reduction of 11% of cases over 1952, whereas the older age group 21 - upwards reflects this increase. The age group 21 - 40 years accounted for 85% of the recorded deaths.

There were a number of staff changes during the year. Dr. G. Morrison completed one school year as a part-time examining physician. His place was taken by Dr. I.M. Gunn and Dr. A. E. Morrison working alternate days in the schools. This appointment commenced in September. Dr. Agnes O'Neil resigned from the school examining staff at the end of June for the purpose of taking a post graduate course in Public Health at the School of Hygiene in Toronto. Dr. Z.F. Jaworski commenced work with the Department as a school physician in the place of Dr. O'Neil when schools reopened in September.

The school nursing staff was further increased from fifteen to eighteen nurses. The rapid increase in both new school classrooms and school enrollment made it necessary, now more than ever, to provide adequate health supervision in the schools. Miss E. C. Shaw requested a transfer to the Infant Clinic Staff and Miss N.J. White resigned from the Department to take up a new appointment in British Columbia. Miss P.M. Harley, Miss G.M. Jones, and Miss R. Nixon resigned from the staff to be married. These nurses were, however, reappointed on a temporary basis in keeping with the policy respecting married women.

We were pleased to welcome to the staff the following new nurses: Miss H. Seymour, Mrs. P. Shelton and Miss A. Millican to full-time school health nurses. As a first stage in decentralizing the Health Department five of the nurses are now working in both the school and infant welfare program. Mrs. K. C. Foster and Mrs. M. Larsen were two new appointees in this capacity.

The following table shows corrective treatments performed by the family physicians on school children during the period September 1st, 1952 to June 30th, 1953:

Operations:			
Tonsils and Adenoids	419	Skin lesions	206
Appendectomies	153	Anaemia	161
Hernia	17	Nutritional disturbances	93
Others	56	Cardiac conditions	53
Fractures or injuries	318	Emotional & behavior problems	153
Orthopaedic conditions	147	Miscellaneous	130
Refractions	1,223		
Other eye conditions	138		
Ear conditions	222	Total	3,489

A vitamin supplement tablet was again made available to school children during the year. These tablets are easily swallowed and are a popular means of presenting vitamins to the school children.

At the discretion of the school nurses certain children are provided with a half pint of milk free on each school day through the months January to June. The cost to the Department for this service amounted to \$2,513.24.

During 1953 54 children were provided with glasses free of charge. In all cases the economic circumstances of the family were carefully checked before the charge was made to the City.

The Department wishes to express sincere thanks to the following ophthalmologists who have so kindly given their professional time and advice free of charge in certain eye conditions. Dr. M.S. Miller, Dr. L.C. Cody, Dr. A.E. Shore, Dr. E. A. Johnson, Dr. J.R. Berry, Dr. D. Gorrell, Dr. C.M. Shafto, and Dr. W. Spankie attended selected cases where family circumstances precluded private consultations. In all those cases where glasses were advised, these were supplied by the City.

Pre-School and School Dental Service

The basic policy of concentrating on the dental needs of the youngest children was again adopted. Children in Kindergarten and Grades I and II received a dental inspection by the Dental Hygienist. Defects noted were recorded on a card sent home to the parents for action. The parent then has the privilege of electing to take the child to the family dentist or requesting a dental appointment at the school clinic.

Grades III and IV were also inspected and a report sent home on the state of the child's mouth at that time. These children are all obliged to seek corrective treatment through the family dentist.

These inspections were performed by the Dental Hygienist on the staff. Despite a very heavy case load of inspections she manages to give the classes a talk on the fundamentals of good oral hygiene. Owing to the very poor response shown by parents on invitation to attend a similar talk respecting their role in promoting good oral hygiene in the home, this educational feature had to be curtailed.

School Dental Clinic Statistics:

Total fillings:	7,323	Appointments made	5,887
Permanent teeth	3,053	Appointments kept	5,193
Deciduous teeth	4,270	Appointments not kept	818
Total extractions:	1,889	Refused treatment	4
Permanent teeth	66	Emergencies attended to	164
Deciduous teeth	1,823		
Bases	5,657	Dental Inspections:	
Prophylaxis	106	Number inspected	9,919
X-rayed	345	Number requiring	
Total number of teeth treated: 16,880		treatment	7,282
Permanent	6,559	Number dentally fit	2,637
Deciduous	10,321		

Mrs. J. Engman, the dental hygienist has been chiefly engaged in inspecting the teeth of children in Grades I - IV inclusive. A total of 9,919 children have received dental inspection. In each instance a card is sent home to the parent giving details of the findings. In addition 293 classroom talks were delivered to children on how to care for the teeth. Educational literature was distributed to parents and teachers and use was also made of the filmstrip teaching medium.

It will be observed that out of the 9,919 children inspected, only 2,637 did not require any form of treatment. This represents 26.6% of the total. Nevertheless it represents an overall improvement over the previous year of 3.3%. It must not be overlooked that of the 73.4% of children shown as requiring treatment, the correction necessary can vary from one small filling to multiple fillings and extractions. Despite the fact that appointments for treatment of Grades I and II pupils are free and the appointment time confirmed with the parent by phone, only 86% of appointments were kept.

Dr. J. A. Duncan who had been engaged in treating pre-school children attending the dental clinic resigned in July, 1953 for the purpose of entering private dental practice. Dr. Harvey E. Horsley replaced Dr. Duncan in the pre-school clinic. Miss Ewan was appointed as dental assistant in the pre-school clinic, a new post.

The statistics for the Pre-School Dental Clinic service at the City Hall are shown in the following table:

Total fillings	2,982	Appointments kept	1,543
Permanent teeth	9	Appointments not kept	331
Deciduous teeth	2,973	Extra appointments	262
Total extractions	385	New Patients inspected	521
Bases	215	No. needing treatment	468
No. of teeth treated	3,952		
Permanent teeth	2		
Deciduous teeth	3,957		

Treatment for the pre-school child is supplied free upon request by any parent, yet despite this fact 21% of the appointments made were not kept, which is far from satisfactory.

Respectfully submitted,
LESLIE C. ALLAN, M.B., Ch.B., D.P.H.,
Assistant Medical Officer of Health.

REPORT OF INOCULATION CLINIC FOR 1953.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Inoculations	944	2025	1495	945	753	683	515	399	471	533	559	439	9766
Swabs taken	-	-	-	-	-	-	-	-	2	-	-	1	3
Vaccinations	169	127	653	354	621	193	49	47	36	68	71	43	2431
Dick Tests	-	-	-	2	3	-	1	1	1	-	-	-	8
Schick Tests	2	32	37	20	25	10	18	1	20	36	30	32	263
Tuberculin Tests	-	26	-	-	-	30	-	-	77	487	16	-	636
Investigations made	14	11	9	21	23	20	14	5	27	9	9	13	175
Total Visits made	88	97	96	99	101	84	118	91	104	124	95	89	1186
First Aid Treatment given	3	2	-	1	-	-	-	-	2	2	2	2	14
Totals	1220	2320	2290	1442	1526	1020	715	544	740	1264	782	619	14482

CALGARY TUBERCULOSIS ASSOCIATION

March 8th, 1954.

W. H. Hill, Esq., M.D., C.M., D.P.H.,
 Medical Officer of Health,
 CALGARY, Alberta.

Dear Sir:

The following is a report of the work accomplished by the Chest Clinic, for the year -- March 1st, 1953 to February 28th, 1954, and is submitted for your information.

This clinic is located in the Public Health Department at the City Hall. It is sponsored by the Calgary Kinsmen's Club and financed by the sale of Christmas Seals.

(1) Number of Clinic Sessions held	49
(a) Number of patients examined	279
Adults	253
Children	26
(b) Number of new cases of Tuberculosis ..	11
Active	0
Inactive	11
(2) Tuberculin Tests	2199
Positive	615
No reaction	2084
(a) Number given in office	501
(b) Number given outside of office	2198
(Approx. 980 - High School Students)	
(3) Office Calls	1448
(4) Home Visits made	956
(5) Miscellaneous calls	272

ASSISTANCE TO NEEDY FAMILIES

During the year used clothing has been delivered to eleven families. Milk was discontinued for nine families, and nine new families were given milk assistance. At the present time there are eighteen families on the milk list. Eighty-four bottles of Cod Liver Oil were distributed. At Christmas, fourteen families received food hampers, and gifts were purchased for thirty-two children. Eight families were driven to the Sanatorium for X-rays.

Classes were held at the Calgary General Hospital and with the affiliate students at the Sanatorium. 324 injections of streptomycin were given.

At this time I wish to express my appreciation and sincere thanks for the guidance you have given throughout the year, and for the excellent cooperation received from all members of your staff.

Respectfully submitted,

Irene Walton, R.N.

VICTORIAN ORDER OF NURSES

Calgary Branch

206 Oddfellow's Temple,
April 5th, 1954

W. H. Hill, Esq., M.D., C.M., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir,

The following report of the work done by our organization during the year 1953 is submitted for your information.

In 1953 our statistics showed an increase in Patients and Visits and a large increase in the attendance of Prenatal Classes.

In the Medical and Surgical field our visits showed a slight decrease. The chief reason for this change is the decreased use of Penicillin and other drugs in the treatment of respiratory and other infections by the physician. For the most part our medical and surgical visits were to the chronically ill, the aged, the post-operative home from hospital - all time-consuming visits.

55% of total visits were to give nursing care and supervision of nursing care.

75% of medical and surgical visits were to give care to adults. In this group comes the cancer patient. We are giving intramuscular therapy prescribed by the physician to cancer patients in the home, but so often we get the terminal case where visits are necessary daily and often twice daily for dressings and care, or the night call to give sedatives to relieve the suffering of the cancer patient.

In the prenatal field we are overwhelmed - expectant mothers and fathers clamouring for instruction and information. 39 prenatal classes were held with a total attendance of 457 compared with 296 last year. Young fathers are showing more interest in information regarding the coming baby than ever before. With the help of other agencies Fathers' Classes would be an interesting and worthwhile project. In working with the Calgary Family Bureau we hope to arrange conferences for unmarried mothers. We have done something in this field, but due to pressure of other things it has not been a great deal. The expectant mother is followed up in the home by the nurse in the district with monthly visits until she goes to hospital.

She calls the Nurse on her return home and care and supervision is given to herself and her newborn to the age of six weeks - and so the maternity cycle is complete.

The maternal and infant welfare programme is a significant feature of our service and is our contribution to the reduction of maternal and infant mortality rate in Canada. 44% of visits were made to this group, an increase of 11% over last year.

Total Patients 1953
Total Visits

3065
13815

Visits to patients over 70 years of age	2505
Medical and Surgical visits	7539 or 55%
Prenatal, postnatal and newborn	3069 or 44%
Postnatal patients	1050
Newborn	1080

Fee Status

Fully paid	29.58%
Part paid	21.34%
Free	3.53%
Non-chargeable	45.46%
Insurance	0.09%

The maximum fee was \$2.00 per visit covering a cost of \$1.79 per visit based on 1952 figures.

The present staff consists of seven well-qualified nurses, with post-graduate training in Public Health Nursing and representative of five universities in Canada. Four of the seven were taken on staff in 1953. The V.O.N. is vitally concerned with the quality of their staff and to this end give fifty bursaries of \$750 each, to students to assist them in post-graduate courses in Public Health Nursing at universities in Canada. We have given field and observation experience to sixteen under-graduate students from the local hospitals and four post-graduate students from the University of Alberta.

We regretted the resignation of Mrs. Atkinson as President but were fortunate in the appointment of Mrs. MacWilliams. The outstanding feature of the year's work was in the improvement of working conditions for our staff. An additional nurse was taken on the staff and a fifth car was purchased. Our personnel policies were revised in regard to salaries which were brought up to the level of the official agencies in the City.

We wish to thank our Medical Advisory Committee for all the help and advice given to us throughout the year and all the physicians and surgeons in the City who use our service and are so co-operative and considerate.

We have plans and ambitions for this year. The chief of those is further publicity for our organization. Feb. 21st - 28th was V.O.N. Week across Canada which enlightened more people about our service. At this point I would like to quote from the report of the Chairman of the Educational and Publicity Committee for the V.O.N. for Canada - "The need for publicity both nationally and locally cannot be denied. Abraham Lincoln summed up the philosophy of public relations in the following words: 'With public sentiment nothing can fail - without it nothing can succeed.' It is up to us all to create and hold public sentiment so that the Victorian Order of Nurses can play its vital role in Canada's National Health Programme."

Respectfully submitted,

Helen Irving
Nurse-in-Charge.

FINANCIAL STATEMENT

38.

HEALTH DEPARTMENT (General)

	1953	1952
Salaries	\$64,100.70	\$59,204.18
Sera, Vaccine, Etc.	103.42	366.97
Disinfectants	83.45	264.42
Laboratory Charges - Supplies and Equipment	600.00	1,200.00
Auto Maintenance and Allowances	5,246.03	4,798.09
Sundries	1,103.51	903.15
Printing and Stationery	958.68	1,022.20
Postage (for the whole department)	442.92	434.29
Transit System Passes and Tickets	759.55	693.08
Isolation Ambulance Hire	248.50	332.00
Milk Inspection Expenses	820.88	685.73
Milk to Undernourished and Sickly Persons	2,666.27	2,117.41
Meat Inspection Expenses	81.30	33.87
Office Equipment	--	659.44
New Equipment (Automobile) Annual Payment	<u>531.42</u>	<u>531.42</u>
	<u>77,751.63</u>	<u>73,246.25</u>

SCHOOL MEDICAL AND DENTAL SERVICES

Salaries	93,890.25	86,065.09
Medical and Dental Supplies and Equipment	3,848.70	4,142.24
Glasses for Underprivileged School Children	330.16	189.94
Milk for Undernourished School Children	2,513.24	2,579.63
Transit System Passes and Tickets	1,475.65	1,042.75
Auto Maintenance and Allowances	1,947.45	2,006.14
Printing and Stationery	908.06	768.15
New Equipment (Automobile) Annual Payment	<u>406.65</u>	<u>406.65</u>
	<u>105,320.26</u>	<u>97,200.59</u>

INFANT AND PRE-SCHOOL CLINIC

Salaries	13,507.73	12,490.80
Transit System Passes and Tickets	174.10	159.60
Operations and Treatments (E.E.N. & Throat and Dental)	3,526.60	3,743.26
Sundries	242.79	254.82
Auto Maintenance and Allowances	951.66	1,006.00
New Equipment (Automobile) Annual Payment	<u>455.63</u>	<u>455.63</u>
	<u>18,858.51</u>	<u>18,110.11</u>

SCARBORO HEALTH UNIT

Utilities: Gas, Light, Water and Telephone	247.88
Caretaker and Cleaning	387.70
Supplies and Repairs	536.54
Office Furniture and Equipment	<u>2,126.05</u>
	<u>3,298.17</u>

SUMMARY

Health Department - General	77,751.63	73,246.25
School Medical and Dental Services	105,320.26	97,200.59
Infant and Pre-School Clinic	18,858.51	18,110.11
Scarboro Health Unit	<u>3,298.17</u>	<u>-</u>
	<u>\$205,228.57</u>	<u>\$188,556.95</u>
Population (Dominion Govt. Census of 1951)	129,060	129,060
Per Capita Expenditure	151.3¢	146.1¢

EXPENDITURE FOR PAST FIVE YEARS

	1953	1952	1951	1950	1949
Total	\$205,228.57	\$188,556.95	\$156,421.05	\$132,797.68	\$128,013.61
Per Capita	151.3¢	146.1¢	121.2¢	125.2¢	120.7¢
Appropriation for 1953 was \$203,534.18	Expended \$205,228.57			Overspent	\$1,694.39
Estimated receipts from Federal and Provincial Grants				\$43,050.00	
Actually received	"	"	"	"	\$44,828.52

